


 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: ENG10RA014		Aircraft Registration Number: HS-TGB	
		Occurrence Date: 02/03/2010		Most Critical Injury:	
		Occurrence Type: Incident		Investigated By: Foreign	
Location/Time					
Nearest City/Place Bangkok, Thailand	State	Zip Code	Local Time 1041	Time Zone UTC	
Airport Proximity:		Distance From Landing Facility:			
Aircraft Information Summary					
Aircraft Manufacturer BOEING		Model/Series 747/4D7		Type of Aircraft Airplane	
Revenue Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On February 3, 2010, at 1041 UTC, a Thai Airways Boeing 747-400 experienced an oil filter message, high vibration, and fire warning from the No. 1 engine, a General Electric CF6-80CB1F turbofan engine, shortly after takeoff from the Suvarnabhumi International Airport (BKK), Bangkok, Thailand. The flightcrew shutdown the No. 1 engine, discharged both fire extinguishing bottles, and started a return back to the BKK airport. A successful three engine landing was performed with no reported injuries. The flight was scheduled from BKK to Chiang Mai International Airport (CNX), Chiang Mai, Thailand.</p> <p>Examination of the airplane revealed several burn through holes on the outboard fan cowl and thrust reverser translating sleeve. Thermal damage was noted to the engine's compressor rear frame, to the Integrated Drive Generator (IDG), and the angle gearbox.</p> <p>The investigation is under the jurisdiction of the government of Thailand. Further information pertaining to this incident may be obtained from:</p> <p>THAILAND Aircraft Accident Investigation Committee Flight Standards Bureau Department of Civil Aviation 71 Ngarmduplee, Rama IV Road</p> <p>Bangkok 10120 Thailand</p> <p>Tel.: (66) 2 287 3198 (66) 2 286 0594 / 286 0506 (24 hours) Fax: (66) 2 286 2913 / 287 3186 (24 hours) AFTN: VTBAYAYX Telex: 22720 BKKRCC TH Cable: CIVILAIR Bangkok</p> <p>This report is for informational purposes only and contains only information obtained for, or released by, the Government of Thailand. Updated on Feb 18 2010 12:57PM</p>					
FACTUAL REPORT - AVIATION					

 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: ENG10RA014				
		Occurrence Date: 02/03/2010				
		Occurrence Type: Incident				
Landing Facility/Approach Information						
Airport Name Suvarnabhumi International		Airport ID: BKK	Airport Elevation Ft. MSL	Runway Used N/A	Runway Length	Runway Width
Runway Surface Type:						
Runway Surface Condition:						
Approach/Arrival Flown: Unknown						
VFR Approach/Landing: Unknown						
Aircraft Information						
Aircraft Manufacturer BOEING		Model/Series 747/4D7		Serial Number 32370		
Airworthiness Certificate(s): Transport						
Landing Gear Type: Tricycle						
Amateur Built Acft? No	Number of Seats:	Certified Max Gross Wt. LBS		Number of Engines: 4		
Engine Type: Turbo Fan	Engine Manufacturer: General Electric		Model/Series: CF6-80CB1F	Rated Power:		
- Aircraft Inspection Information						
Type of Last Inspection	Date of Last Inspection	Time Since Last Inspection Hours		Airframe Total Time Hours		
- Emergency Locator Transmitter (ELT) Information						
ELT Installed?/Type No		ELT Operated? No	ELT Aided in Locating Accident Site? No			
Owner/Operator Information						
Registered Aircraft Owner Thai Airways		Street Address 89 Vibhavadi Rangsit Road 10900				
		City Bangkok	State	Zip Code		
Operator of Aircraft Thai Airways		Street Address 89 Vibhavadi Rangsit Road 10900				
		City Bangkok	State	Zip Code		
Operator Does Business As:			Operator Designator Code: RJHF			
- Type of U.S. Certificate(s) Held: None						
Air Carrier Operating Certificate(s): Foreign Operation						
Operating Certificate:			Operator Certificate:			
Regulation Flight Conducted Under: Non-U.S., Commercial						
Type of Flight Operation Conducted: Scheduled; Domestic; Passenger Only						
<div style="text-align: center;">FACTUAL REPORT - AVIATION</div> <div style="text-align: right;">Page 2</div>						

		NTSB ID: ENG10RA014								
		Occurrence Date: 02/03/2010								
		Occurrence Type: Incident								
First Pilot Information										
Name			City		State	Date of Birth	Age			
Sex:	Seat Occupied:	Occupational Pilot?			Certificate Number:					
Certificate(s):										
Airplane Rating(s):										
Rotorcraft/Glider/LTA:										
Instrument Rating(s):										
Instructor Rating(s):										
Current Biennial Flight Review?										
Medical Cert.:		Medical Cert. Status:			Date of Last Medical Exam:					
- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument Actual	Instrument Simulated	Rotorcraft	Glider	Lighter Than Air
Total Time										
Pilot In Command(PIC)										
Instructor										
Instruction Received										
Last 90 Days										
Last 30 Days										
Last 24 Hours										
Seatbelt Used?		Shoulder Harness Used?			Toxicology Performed?		Second Pilot?			
Flight Plan/Itinerary										
Type of Flight Plan Filed: IFR										
Departure Point		State			Airport Identifier		Departure Time		Time Zone	
Same as Accident/Incident Location					BKK					
Destination		State			Airport Identifier					
Chiang Mai					CNX					
Type of Clearance: Unknown										
Type of Airspace: Unknown										
Weather Information										
Source of Wx Information:										

 National Transportation Safety Board FACTUAL REPORT AVIATION			NTSB ID: ENG10RA014		
			Occurrence Date: 02/03/2010		
			Occurrence Type: Incident		


Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation <div style="text-align: center;">Ft. MSL</div>	WOF Distance From Accident Site <div style="text-align: center;">NM</div>	Direction From Accident Site <div style="text-align: center;">Deg. Mag.</div>
Sky/Lowest Cloud Condition:			Ft. AGL	Condition of Light:	
Lowest Ceiling:			Ft. AGL	Visibility: SM	Altimeter: "Hg
Temperature: °C	Dew Point: °C	Weather Conditions at Accident Site:			
Wind Direction:	Wind Speed:	Wind Gusts:			
Visibility (RVR): Ft.	Visibility (RVV): SM				
Precip and/or Obscuration:					

Accident Information					
Aircraft Damage: Minor		Aircraft Fire: In-flight		Aircraft Explosion: None	

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL	
First Pilot						
Second Pilot						
Student Pilot						
Flight Instructor						
Check Pilot						
Flight Engineer						
Cabin Attendants						
Other Crew						
Passengers						
- TOTAL ABOARD -						
Other Ground						
- GRAND TOTAL -						

FACTUAL REPORT - AVIATION

Page 4

 National Transportation Safety Board FACTUAL REPORT AVIATION	NTSB ID: ENG10RA014	
	Occurrence Date: 02/03/2010	
	Occurrence Type: Incident	
Administrative Information		
Investigator-In-Charge (IIC) Jean-Pierre M. Scarfo		
Additional Persons Participating in This Accident/Incident Investigation: Eric West Federal Aviation Administration Washington, DC		
<div>FACTUAL REPORT - AVIATION</div> <div>Page 5</div>		